

PTO/SB/21 (03-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

6

Application Number

10/666,424

Filing Date

09/19/2003

First Named Inventor

Kamil Paruch et al.

Art Unit

Examiner Name

Attorney Docket Number

OC01626K

ENCLOSURES (Check all that apply)

Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)

Response to Missing Parts/
Incomplete ApplicationResponse to Missing Parts
under 37 CFR 1.52 or 1.53

Drawing(s)



Licensing-related Papers



Petition

Petition to Convert to a
Provisional Application

Power of Attorney, Revocation



Change of Correspondence Address



Terminal Disclaimer



Request for Refund



CD, Number of CD(s) _____

Remarks

After Allowance Communication
to GroupAppeal Communication to Board
of Appeals and InterferencesAppeal Communication to Group
(Appeal Notice, Brief, Reply Brief)

Proprietary Information



Status Letter

Other Enclosure(s) (please
Identify below):

Cert. of Mailing - 1pg.; References (9);

PTO-1449 Form- 1pg. in dup. ; Post Card

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENTFirm
or
Individual

Palaiyur S. Kalyanaraman, Reg. No. 34,634

Signature

Date

12/11/2003

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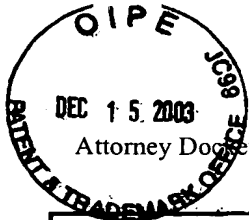
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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Attorney Docket No.: OC01626K

PTO/SB/92 (08-03)

(Modified)

Application No.: 10/666,424

Filing Date: 09/19/2003

Applicant: Kamil Paruch et al.

Title: NOVEL IMIDAZOPYRAZINES AS CYCLIN DEPENDENT KINASE INHIBITORS

Certificate of Mailing under 37 CFR 1.8

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Documents enclosed:

Response Transmittal (PTO/SB/21) - 1pg.

Information Disclosure Statement - 2pgs.

PTO-1449 Form - 1pg. in duplicate

References (9)

Certificate of Mailing - 1pg.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

<hr/>		X
Applicant(s):	Kamil Paruch <i>et al.</i>	: Group Art Unit:
Serial No.:	10/666,424	: Examiner:
Filed:	09/19/2003	: Attorney Docket No. : OC01626K
For:	"Novel Imidazopyrazines as Cyclin Dependent Kinase Inhibitors"	: X
<hr/>		

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to Rule 56, it is requested that the documents listed on the accompanying PTO-1449 Form be considered and made of record in the above-identified patent application. Copy(ies) of these references ☒ are attached ☐ were filed in related application U.S. Serial No(s) _____ filed _____, respectively.

(b) No fee is believed due because:

- ☐ This Information Disclosure Statement is being filed within three (3) months of the filing date of the application.
- ☐ This Information Disclosure Statement is being concurrently filed with the above-identified application.
- ☐ This Information Disclosure Statement is being concurrently filed with a Request for Continued Examination (RCE).
- ☒ This Information Disclosure Statement is being filed prior to the mailing of a first Office Action on the merits.

(c) ☐ This Information Disclosure Statement is being filed before the mailing date of any final action, notice of allowance or an action that otherwise closes prosecution; and

☐ Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or

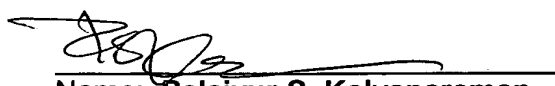
☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; or

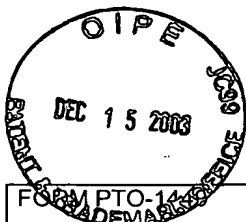
- ☐ The Commissioner is hereby authorized to charge the requisite fee listed on the attached Fee Transmittal Sheet.
- (d) ☐ This Information Disclosure Statement is being filed on or before the payment of the issue fee; and
- ☐ Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; and
- ☐ The Commissioner is hereby authorized to charge the requisite fee listed on the attached Fee Transmittal Sheet.
- ☐ The Commissioner is hereby authorized to charge any additional fees which may be required for this Information Disclosure Statement, or credit any overpayment to Deposit Account No. 19-0395, Patent Case No. OC01626K. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Respectfully submitted,
SCHERING-PLOUGH CORPORATION

Dated: 12/11/2003
SCHERING-PLOUGH CORPORATION
Patent Department, K-6-1, 1990
2000 Galloping Hill Road
Kenilworth, NJ 07033-0530
Facsimile No.: (908) 298-5388

By:


Name: **Palaiyur S. Kalyanaraman**
Reg. No.: **34,634**
Attorney of Record
Telephone No.: (908) 298-5068

Sheet 1 of 1

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.: OC01626K	APPLICATION NO.: 10/666,424
	APPLICANT: Kamil Paruch et al.	
	FILING DATE: 9/19/2003	GROUP:

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
	AL	EP 0 778 277	06/11/1997	EPO				
	AM	WO 02/06286	01/24/2002	PCT				
	AN	WO 88/04298	06/16/1988	PCT				
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	Vesely et al., "Inhibition of Cyclin-Dependent Kinases by Purine Analogues", <i>Eur. J. Biochem</i> (1994), 224 : 771-785.
AR	Senderowicz et al., "Phase I Trial of Continuous Infusion Flavopiridol, a Novel Cyclin-Dependent Kinase Inhibitor, in Patients with Refractory Neoplasms", <i>Journal of Clinical Oncology</i> (September 1998), 16 (9): 2986-2999.
AS	Meijer et al., "Biochemical and Cellular Effects of Roscovitine, a Potent and Selective Inhibitor of the Cyclin-Dependent Kinases CDC2, CDK2 and CDK5", <i>Eur. J. Biochem.</i> (1997), 243 : 527-536.
AT	Bible et al., "Cytotoxic Synergy Between Flavopiridol (NSC 649890, L86-8275) and Various Antineoplastic Agents: The Importance of Sequence of Administration", <i>Cancer Research</i> (August 15, 1997), 57 : 3375-3380.
AU	Shiota et al., "Synthesis and Structure- Activity Relationship of a New Series of Potent Angiotensin II Receptor Antagonists: Pyrazolo[1,5- α]pyrimidine Derivatives", <i>Chem. Pharm. Bull.</i> (1999), 47 (7): 928-938.
AV	Yasuo Makisumi, "Studies on the Azaindolizine Compounds. XI. Synthesis of 6,7-Disubstituted Pyrazolo[1,5- α]pyrimidines.", <i>Chem. Pharm. Bull.</i> (1962), 10 : 620-626.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Copy

Sheet 1 of 1

PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.: OC01626K		APPLICATION NO.: 10/666,424	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT: Kamil Paruch et al.			
				FILING DATE: 9/19/2003		GROUP:	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AL	EP 0 778 277	06/11/1997	EPO			
	AM	WO 02/06286	01/24/2002	PCT			
	AN	WO 88/04298	06/16/1988	PCT			
	AO						
	AP						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AQ	Vesely et al., "Inhibition of Cyclin-Dependent Kinases by Purine Analogues", <i>Eur. J. Biochem</i> (1994), 224 : 771-785.					
	AR	Senderowicz et al., "Phase I Trial of Continuous Infusion Flavopiridol, a Novel Cyclin-Dependent Kinase Inhibitor, in Patients with Refractory Neoplasms", <i>Journal of Clinical Oncology</i> (September 1998), 16 (9): 2986-2999.					
	AS	Meijer et al., "Biochemical and Cellular Effects of Roscovitine, a Potent and Selective Inhibitor of the Cyclin-Dependent Kinases CDC2, CDK2 and CDK5", <i>Eur. J. Biochem.</i> (1997), 243 : 527-536.					
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EXAMINER				DATE CONSIDERED			
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